

Jayant Kumar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10732608/publications.pdf>

Version: 2024-02-01

315
papers

11,555
citations

44444

50
h-index

42259

96
g-index

316
all docs

316
docs citations

316
times ranked

10369
citing authors

#	ARTICLE	IF	CITATIONS
1	Bio-Based Flame-Retardant Coatings Based on the Synergistic Combination of Tannic Acid and Phytic Acid for Nylon-Cotton Blends. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 61620-61628.	4.0	44
2	Covalent functionalization of cellulose in cotton and a nylon-cotton blend with phytic acid for flame retardant properties. <i>Cellulose</i> , 2020, 27, 11-24.	2.4	44
3	A Bio-derived Char Forming Flame Retardant Additive for Nylon 6 Based on Crosslinked Tannic Acid. <i>Thermochimica Acta</i> , 2020, 693, 178750.	1.2	16
4	Antioxidant Activity of Synthetic Polymers of Phenolic Compounds. <i>Polymers</i> , 2020, 12, 1646.	2.0	51
5	Unusual role of labile phenolics in imparting flame resistance to polyamide. <i>Polymer Degradation and Stability</i> , 2020, 175, 109103.	2.7	7
6	One-layer water vapor poly(olefin) barriers compete metal sputtering onto flexible substrates. <i>Polymer</i> , 2020, 197, 122487.	1.8	6
7	Biocatalytic Synthesis of Fluorescent Conjugated Polyserotonin. <i>Journal of Renewable Materials</i> , 2019, 7, 205-214.	1.1	4
8	Fire resistant polyphenols based on chemical modification of bio-derived tannic acid. <i>Polymer Degradation and Stability</i> , 2018, 153, 227-243.	2.7	68
9	Environment-Friendly Post-Treatment of PEDOT-Tos Films by Aqueous Vitamin C Solutions for Tuning of Thermoelectric Properties. <i>Journal of Electronic Materials</i> , 2018, 47, 3963-3968.	1.0	5
10	Facile enzymatic preparation of fluorescent conjugated polymers of phenols and their application in sensing. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46496.	1.3	5
11	Flexible perovskite based X-ray detectors for dose monitoring in medical imaging applications. <i>Physics in Medicine</i> , 2018, 5, 20-23.	0.6	62
12	Effects of Nanoimprinted Structures on the Performance of Organic Solar Cells. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-6.	1.5	1
13	Effect of side groups on two-photon absorption of soluble polythiophenes. <i>Spectroscopy Letters</i> , 2017, 50, 375-380.	0.5	0
14	Enzymatic and Biomimetic Approaches to the Synthesis of Electrically Conducting Polymers. , 2017, , 191-239.		0
15	Synthesis of macromolecular systems via lipase catalyzed biocatalytic reactions: applications and future perspectives. <i>Chemical Society Reviews</i> , 2016, 45, 6855-6887.	18.7	37
16	Layer-by-layer assembly of halogen-free polymeric materials on nylon/cotton blend for flame retardant applications. <i>Fire and Materials</i> , 2016, 40, 206-218.	0.9	17
17	Synthesis and Sensing Applications of Fluorescent 3-Cinnamoyl Coumarins. <i>Sensors</i> , 2015, 15, 31987-31998.	2.1	7
18	Unraveling the mechanism of thermal and thermo-oxidative degradation of tannic acid. <i>Thermochimica Acta</i> , 2015, 605, 77-85.	1.2	138

#	ARTICLE	IF	CITATIONS
19	Reusable SERS active substrates for ultrasensitive molecular detection. <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 794-798.	4.0	27
20	Performance enhancement of fullerene based solar cells upon NIR laser irradiation. <i>RSC Advances</i> , 2015, 5, 48526-48532.	1.7	4
21	Enhancing detection of nitroaromatic vapors by utilizing polymer coatings on quartz crystal microbalances having strong dipoles. <i>Sensors and Actuators B: Chemical</i> , 2015, 216, 443-452.	4.0	5
22	Technical Note: Nanometric organic photovoltaic thin film detectors for dose monitoring in diagnostic x-ray imaging. <i>Medical Physics</i> , 2015, 42, 4027-4032.	1.6	9
23	Biocatalytic Synthesis of Fluorescent Conjugated Indole Oligomers. <i>Bioengineering</i> , 2014, 1, 246-259.	1.6	12
24	Chemo-enzymatic Synthesis of Polydimethylsiloxane Curcumin Copolymer for Detection of Nitro-aromatics. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2014, 51, 399-404.	1.2	3
25	Solution processed flexible planar hybrid perovskite solar cells. <i>Proceedings of SPIE</i> , 2014, , .	0.8	5
26	Two-photon active polymeric nanoparticles for high contrast in vitro imaging. <i>RSC Advances</i> , 2014, 4, 1116-1119.	1.7	1
27	Biocatalytic synthesis of unusually photoluminescent oligomers and electrically conducting polymers of 4-(β -pyrrolyl)butyric acid. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	1
28	Enhanced Sensory Response of Quaterthiophene Bearing 1,2,3-Triazole Moiety to Explosives. <i>IEEE Sensors Journal</i> , 2014, 14, 4334-4339.	2.4	11
29	Synthesis of nanoparticles of P3HT and PCBM for optimizing morphology in polymeric solar cells. <i>Applied Surface Science</i> , 2014, 323, 13-18.	3.1	29
30	Synthesis of two-photon active cinnamoyl coumarins for high-contrast imaging of cancer cells and their photophysical characterization. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 280, 39-45.	2.0	5
31	Synthesis of a self organizable curcumin derivative and investigation of its interaction with metals in 100% aqueous media. <i>Tetrahedron</i> , 2014, 70, 991-995.	1.0	20
32	Novozym [®] 435 Catalyzed Syntheses of Polyesters and Polyamides of Medicinal and Industrial Relevance. <i>ChemSusChem</i> , 2014, 7, 379-390.	3.6	25
33	Fine-scale features on bioreplicated decoys of the emerald ash borer provide necessary visual verisimilitude. <i>Proceedings of SPIE</i> , 2014, , .	0.8	1
34	Push-pull triarylamine additives that enhance dye sensitized solar cell performance. <i>RSC Advances</i> , 2013, 3, 15626.	1.7	6
35	Determining the Critical Particle Size to Induce Enhanced Emission in Aggregates of a Highly Twisted Triarylamine. <i>ChemPhysChem</i> , 2013, 14, 3682-3686.	1.0	5
36	Polysiloxane-based Organoclay Nanocomposites as Flame Retardants. <i>Polymer-Plastics Technology and Engineering</i> , 2013, 52, 1527-1534.	1.9	13

#	ARTICLE	IF	CITATIONS
37	Sensitive Detection of Nitroaromatics With Colloidal Conjugated Polymer Nanoparticles. IEEE Sensors Journal, 2013, 13, 2329-2333.	2.4	11
38	Fabrication of Polymeric Visual Decoys for the Male Emerald Ash Borer (<i>Agrilus planipennis</i>). Journal of Bionic Engineering, 2013, 10, 129-138.	2.7	15
39	Synthesis of Novel Halogen-Free Phenol Based Polymers and their utilization as Flame Retardant in Polypropylene system. Materials Research Society Symposia Proceedings, 2013, 1492, 161-166.	0.1	2
40	Thermally Stable Polymers of Cardanol as Char-Forming Additives for Polypropylene. Journal of Renewable Materials, 2013, 1, 289-301.	1.1	20
41	Toward pest control via mass production of realistic decoys of insects. , 2012, , .		2
42	A straightforward route to electron transporting conjugated polymers. Journal of Materials Chemistry, 2012, 22, 16091.	6.7	10
43	Halogen-free ultra-high flame retardant polymers through enzyme catalysis. Green Chemistry, 2012, 14, 819.	4.6	35
44	Two-photon fluorescence properties of curcumin as a biocompatible marker for confocal imaging. Applied Physics Letters, 2012, 100, .	1.5	30
45	Micellar Nanoreactors for Hematin Catalyzed Synthesis of Electrically Conducting Polypyrrole. Langmuir, 2012, 28, 13380-13386.	1.6	36
46	Techniques for characterization of charge carrier mobility in organic semiconductors. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 1130-1144.	2.4	137
47	Enhancing sensing of nitroaromatic vapours by thiophene-based polymer films. Journal of Materials Chemistry, 2011, 21, 16597.	6.7	39
48	Synthesis of polypyrrole with fewer structural defects using enzyme catalysis. Synthetic Metals, 2011, 161, 1611-1617.	2.1	30
49	Simple green synthesis of polyborosiloxanes as environmentally-safe, non-halogenated flame retardant polymers. Green Chemistry, 2011, 13, 659.	4.6	43
50	Sensitive and fast recognition of explosives using fluorescent polymer sensors and pattern recognition analysis. Sensors and Actuators B: Chemical, 2011, 160, 1237-1243.	4.0	37
51	Design and synthesis of perfluorinated amphiphilic copolymers: Smart nanomicelles for theranostic applications. Polymer, 2011, 52, 4727-4735.	1.8	18
52	Strong two-photon-induced fluorescence from a highly soluble polythiophene. Optics Communications, 2011, 284, 3612-3614.	1.0	12
53	Dynamic chemical vapor sensing with nanofibrous film based surface acoustic wave sensors. Sensors and Actuators A: Physical, 2011, 167, 8-13.	2.0	33
54	A renewable waste material for the synthesis of a novel non-halogenated flame retardant polymer. Journal of Cleaner Production, 2011, 19, 454-458.	4.6	73

#	ARTICLE	IF	CITATIONS
55	Conjugated Polymer:TiO ₂ Nanocomposite Solar Cells Based on P3HT Nanoparticles. Materials Research Society Symposia Proceedings, 2011, 1312, 1.	0.1	0
56	Investigation of QCM Sensors with Azobenzene Functionalized Coatings for the Detection of Nitroaromatics. Journal of Macromolecular Science - Pure and Applied Chemistry, 2011, 48, 1031-1037.	1.2	10
57	Sensory Response and Two-Photon-Fluorescence Study of Regioregular Polythiophene Nanoparticles. Journal of Macromolecular Science - Pure and Applied Chemistry, 2011, 48, 1049-1054.	1.2	2
58	Crosslinking of Biocatalytically Synthesized Organosilicone Copolymers for Flame Retardant Applications. Journal of Macromolecular Science - Pure and Applied Chemistry, 2011, 48, 1055-1060.	1.2	1
59	Biocatalytic Synthesis of Two-Photon Active Resveratrol Oligomer. Journal of Macromolecular Science - Pure and Applied Chemistry, 2011, 48, 1061-1066.	1.2	4
60	Horseradish Peroxidase Catalyzed Synthesis of Polycardanol Microcapsules. Journal of Macromolecular Science - Pure and Applied Chemistry, 2011, 48, 1004-1008.	1.2	3
61	Oxidoreductase Catalyzed Polymerization of 3-Methylpyrrole. Journal of Macromolecular Science - Pure and Applied Chemistry, 2011, 48, 976-982.	1.2	4
62	Synthesis and Characterization of a Thiophene Copolymer for Photovoltaic Application. Journal of Macromolecular Science - Pure and Applied Chemistry, 2011, 48, 1044-1048.	1.2	1
63	Amphiphilic Copolymers having Saturated and Unsaturated Aliphatic Side Chains as Nano Carriers for Drug Delivery Applications. Journal of Macromolecular Science - Pure and Applied Chemistry, 2011, 48, 1009-1015.	1.2	3
64	Simple Two-Photon Inscription of Surface Relief Gratings with Azobenzene Functionalized Polymer. Journal of Macromolecular Science - Pure and Applied Chemistry, 2011, 48, 1027-1030.	1.2	1
65	Novel Organo-Siloxane Copolymers for Flame Retardant Applications. ACS Symposium Series, 2010, , 157-165.	0.5	4
66	Sensory response of pegylated and siloxanated 4,8-dimethylcoumarins: A fluorescence quenching study by nitro aromatics. Sensors and Actuators B: Chemical, 2010, 147, 105-110.	4.0	21
67	Soybean Peroxidase Catalyzed Enzymatic Synthesis of Pyrrole/EDOT Copolymers. Macromolecular Chemistry and Physics, 2010, 211, 1610-1617.	1.1	19
68	Fabrication of Dye-sensitized Solar Cells and Fluorescence Quenching Study Using Thiophene Based Copolymers. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 1180-1183.	1.2	16
69	Enzymatic Synthesis and Characterization of PolyQuercetin. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 1191-1196.	1.2	39
70	Detection of Explosive Vapors by Surface Acoustic Wave Sensors Containing Novel Siloxane Based Coatings. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 1172-1175.	1.2	21
71	Novel PEGylated Amphiphilic Copolymers as Nanocarriers for Drug Delivery: Synthesis, Characterization and Curcumin Encapsulation. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 1154-1160.	1.2	21
72	Photosensitized Solid-state Polymerization of Diacetylenes in Nanoporous TiO ₂ Structures. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 1161-1166.	1.2	8

#	ARTICLE	IF	CITATIONS
73	Enzymatic Synthesis of Electrically Conducting Polymers. ACS Symposium Series, 2010, , 315-341.	0.5	14
74	Metalloporphyrin based Biomimetic Catalysts for Materials Synthesis and Biosensing. ACS Symposium Series, 2010, , 221-242.	0.5	2
75	Design and Biocatalytic Synthesis of Pluronics-based Nanomicellar Self-assembly Systems for Drug Encapsulation Applications. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 788-793.	1.2	6
76	Nanocomposites and Blends of Biocatalytically Synthesized Organosilicone Co-Polymers for Flame Retardant Applications. Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 1199-1204.	1.2	4
77	Self-doped carboxylated polyaniline: effect of hydrogen bonding on the doping of polymers. Macromolecular Research, 2009, 17, 631-637.	1.0	14
78	Synthesis and properties of water soluble single-walled carbon nanotube graft ionic polyacetylene nanocomposites. Polymer Composites, 2009, 30, 1817-1824.	2.3	16
79	Crosslinking of Polydimethyl Siloxane Copolymers with Aromatic Dianhydrides: The Study of Thermal and Flame Retardant Properties. Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 1228-1232.	1.2	7
80	Conformational analysis of the conducting copolymer poly(3,4-ethylenedioxythiophene-co-pyrrole). Synthetic Metals, 2009, 159, 1409-1413.	2.1	9
81	Photovoltaic Performance Enhancement in Dye-Sensitized Solar Cells with Periodic Surface Relief Structures. Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 1213-1216.	1.2	6
82	A stable biomimetic redoxcatalyst obtained by the enzyme catalyzed amidation of iron porphyrin. Green Chemistry, 2009, 11, 334-338.	4.6	24
83	Novel fluorescent polymer for trace explosive detection. , 2009, , .		0
84	Selective recognition of Ca ²⁺ ions using novel polymeric phenols. Microchemical Journal, 2008, 90, 89-92.	2.3	10
85	Molecularly ordered structure and permeability properties of amphiphilic polyacetylene-multilayer nanocomposites. Composites Science and Technology, 2008, 68, 3215-3219.	3.8	7
86	Synthesis and Characterization of Novel Amphiphilic Polymers as Drug Delivery Nano Carriers. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 931-937.	1.2	9
87	Biocatalytic Modification of Naturally Occurring Iron Porphyrin. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 951-956.	1.2	9
88	Design and Lipase Catalyzed Synthesis of 4-Methylcoumarin-siloxane Hybrid Copolymers. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 925-930.	1.2	4
89	Simple fabrication of zinc oxide nanostructures. Journal of Materials Chemistry, 2008, 18, 637.	6.7	22
90	Biocatalytically Synthesized Poly(3,4-ethylenedioxythiophene). Macromolecules, 2008, 41, 3049-3052.	2.2	66

#	ARTICLE	IF	CITATIONS
91	Patterning Flexible Substrates Using Surface Relief Structures in Azobenzene Functionalized Polymer Films. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 45, 938-941.	1.2	2
92	Amino Acid and Poly(Ethylene Glycol) Based Self-Organizing Polymeric Systems: Chemo-Enzymatic Synthesis and Characterization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 45, 957-962.	1.2	4
93	Enzymatically Synthesized Pegylated Polymers as Nanomicellar Drug Delivery Systems. <i>ACS Symposium Series</i> , 2008, , 204-224.	0.5	5
94	Detection of Explosives using nanofibrous membranes. , 2008, , .		1
95	Nanocomposites of TiO ₂ and Siloxane Copolymers as Environmentally Safe Flame-Retardant Materials. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 45, 942-946.	1.2	26
96	Biocatalytically Oligomerized Epicatechin with Potent and Specific Anti-proliferative Activity for Human Breast Cancer Cells. <i>Molecules</i> , 2008, 13, 2704-2716.	1.7	39
97	Fabrication of TiO ₂ Grating with Composites of Azobenzene Polymer and TiO ₂ Nanoparticles. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007, 44, 1329-1332.	1.2	2
98	Biosynthesis of Liquid Crystalline Azo-Polyesters. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007, 44, 1245-1248.	1.2	3
99	Synthesis and Characterization of Photoactive Amphiphilic Polymers. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007, 44, 1283-1287.	1.2	4
100	Optical and Electrochemical Detection of Saccharides with Poly(aniline-co-3-aminobenzenboronic acid) Prepared from Enzymatic Polymerization. <i>Biomacromolecules</i> , 2007, 8, 3602-3607.	2.6	32
101	Controlled Release of Covalently Bound Organic Molecules by Slow Hydrolysis for Potential Biocide Applications. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007, 44, 1289-1292.	1.2	3
102	Synthesis of polyaniline derivatives via biocatalysis. <i>Green Chemistry</i> , 2007, 9, 44-48.	4.6	31
103	Fabrication of Gold Nanostructures with Azopolymer Templates. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007, 44, 1299-1303.	1.2	5
104	Determination of Electron and Hole Mobility of Regioregular Poly(3-hexylthiophene) by the Time of Flight Method. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007, 44, 1261-1264.	1.2	32
105	Design and Synthesis of Novel Pegylated Methylcoumarins. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007, 44, 1293-1298.	1.2	14
106	Nanocrystalline TiO ₂ -Catalyzed Solid-State Polymerization of Diacetylene in the Visible Region. <i>Journal of the American Chemical Society</i> , 2007, 129, 7238-7239.	6.6	45
107	Biocatalytic Synthesis of Organosiloxane Copolyimide. <i>Macromolecules</i> , 2007, 40, 7742-7744.	2.2	16
108	Template-Assisted Synthesis of Self-Doped Polyaniline: Morphological Effects of Templates on the Conductivity. <i>Macromolecular Rapid Communications</i> , 2007, 28, 1356-1360.	2.0	7

#	ARTICLE	IF	CITATIONS
109	Recovery and characterization of pure poly(3,4-ethylenedioxythiophene) via biomimetic template polymerization. <i>Polymer Engineering and Science</i> , 2007, 47, 71-75.	1.5	11
110	Synthesis and Characterization of Dual Nanodelivery Systems Containing Vitamin E for Cosmetics and Pharmaceuticals. <i>ACS Symposium Series</i> , 2007, , 139-148.	0.5	3
111	Synthesis and Modeling of Acridine Dyes as Potential Photosensitizers for Dye-Sensitized Photovoltaic Applications. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006, 43, 1907-1922.	1.2	24
112	Spectroscopic and Microscopic Analysis of Photo-cross-linked Vinylbenzylthymine Copolymers for Photoresist Applications. <i>Chemistry of Materials</i> , 2006, 18, 2873-2878.	3.2	22
113	Formation mechanism of surface relief structures on amorphous azopolymer films. <i>Physical Review B</i> , 2006, 73, .	1.1	49
114	Synthesis and Properties of Self-Doped Polyaniline with Polycationic Templates via Biocatalysis. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006, 43, 2007-2018.	1.2	8
115	Self-Doped Polyaniline/Poly(diallyldimethyl ammonium chloride) Complex: N-Type Doping with High Stability. <i>Chemistry of Materials</i> , 2006, 18, 2201-2204.	3.2	16
116	Biomimetic Synthesis of Water-Soluble Conducting Copolymers/Homopolymers of Pyrrole and 3,4-Ethylenedioxythiophene. <i>Biomacromolecules</i> , 2006, 7, 586-589.	2.6	51
117	In Situ Polymerized Carboxylated Diacetylene as a Hole Conductor in Solid-State Dye-Sensitized Solar Cells. <i>Chemistry of Materials</i> , 2006, 18, 4215-4217.	3.2	43
118	Synthesis of Main-Chain Liquid-Crystalline Polyesters Containing Diphenyl Mesogens by Chemo-Enzymatic Route. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006, 43, 1983-1990.	1.2	1
119	Hydrophobic barrier: Molecular self-assembly of amphiphilic polyacetylenes within aluminosilicate nanoplatelets. <i>Journal of Membrane Science</i> , 2006, 275, 12-16.	4.1	15
120	In situ polymerization of amphiphilic diacetylene for hole transport in solid state dye-sensitized solar cells. <i>Organic Electronics</i> , 2006, 7, 546-550.	1.4	13
121	Biocatalytic Synthesis of Multi-Block Copolymer Composed of Poly(tetrahydrofuran) and Poly(ethylene oxide). <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006, 43, 1975-1981.	1.2	8
122	Indo-U.S. collaborative studies on biocatalytic generation of novel molecular architectures. <i>Pure and Applied Chemistry</i> , 2005, 77, 201-208.	0.9	13
123	Biocatalytic synthesis of novel electronic and photovoltaic materials. <i>Pure and Applied Chemistry</i> , 2005, 77, 263-272.	0.9	4
124	Biocatalytic approaches for synthesis of conducting polyaniline nanoparticles. <i>Pure and Applied Chemistry</i> , 2005, 77, 339-344.	0.9	26
125	Ultraviolet photoelectron spectroscopy of nanocrystalline TiO ₂ films sensitized with (2,2'-bipyridyl)ruthenium(II) dyes for photovoltaic applications. <i>Organic Electronics</i> , 2005, 6, 55-64.	1.4	22
126	Biocatalytic Routes Toward Pharmaceutically Important Precursors and Novel Polymeric Systems. <i>ChemInform</i> , 2005, 36, no.	0.1	0

#	ARTICLE	IF	CITATIONS
127	Effect of Solvent, Hydrogen Bonding, and thickness of Azopolymer Films on Surface Relief Grating. Materials Research Society Symposia Proceedings, 2005, 889, 1.	0.1	0
128	Response to "Comment on "Enhancing the inscription rate of surface relief gratings with an incoherent assisting light beam" [Appl. Phys. Lett. 86, 146101 (2005)]. Applied Physics Letters, 2005, 86, 146102.	0.5	1
129	Electrospun polymer nanofibers coated with metal oxides by liquid phase deposition. Composite Interfaces, 2005, 11, 711-724.	1.3	13
130	Biocatalytic routes toward pharmaceutically important precursors and novel polymeric systems. Pure and Applied Chemistry, 2005, 77, 209-226.	0.9	22
131	Biocatalytic Synthesis of Water-Soluble Oligo(catechins). Journal of Macromolecular Science - Pure and Applied Chemistry, 2005, 42, 1547-1554.	1.2	21
132	Self-Assembly of PEG and Diester Copolymers: Effect of PEG Length, Linker, Concentration and Temperature. Journal of Macromolecular Science - Pure and Applied Chemistry, 2005, 42, 1523-1528.	1.2	20
133	Biocatalytic Synthesis and Characterization of Copolymers Based on Poly(Ethylene Glycol) and Unsaturated Methyl Esters. Journal of Macromolecular Science - Pure and Applied Chemistry, 2005, 42, 1515-1521.	1.2	5
134	Study of a poly-1,6-dicarbazolyl-2,4-hexadiyne nanocrystal film by the fifth-order electroabsorption spectroscopy. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 623.	0.9	4
135	Ordered assembly of conjugated ionic polyacetylenes within clay nanoplatelets: layer-by-layer assembly and intercalative polymerization. Applied Clay Science, 2005, 30, 134-140.	2.6	12
136	Photo-cross-linked Immobilization of Polyelectrolytes for Enzymatic Construction of Conductive Nanocomposites. Journal of the American Chemical Society, 2005, 127, 9100-9104.	6.6	82
137	Synthesis of Amphiphilic Guanlylated Polymers as Potential Gene Delivery Carriers. Journal of Macromolecular Science - Pure and Applied Chemistry, 2004, 41, 1459-1466.	1.2	6
138	Enhancing the inscription rate of surface relief gratings with an incoherent assisting light beam. Applied Physics Letters, 2004, 84, 4517-4519.	1.5	25
139	Cross-linked Multilayer Polymer-Clay Nanocomposites and Permeability Properties. Journal of Macromolecular Science - Pure and Applied Chemistry, 2004, 41, 1401-1410.	1.2	29
140	Novel Polymeric Thin Film Deposition System: Injector Apparatus/PECVD Reactor. Journal of Macromolecular Science - Pure and Applied Chemistry, 2004, 41, 1447-1458.	1.2	1
141	Organic photosensitizers with catechol groups for dye-sensitized photovoltaics. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 168, 191-196.	2.0	59
142	"Green" enzymatic synthesis of pegylated phenolic macromer and polymer. Chemical Communications, 2004, , 862-863.	2.2	7
143	Self-Organization of Amphiphilic Copolymers into Nanoparticles: Study by ¹ H NMR Longitudinal Relaxation Time. Journal of Macromolecular Science - Pure and Applied Chemistry, 2004, 41, 1489-1496.	1.2	2
144	Conformation of Azobenzene-Modified Poly(L-L-Glutamate) (AZOPLGA) in Thin Films: Solid State NMR Studies. Journal of Macromolecular Science - Pure and Applied Chemistry, 2004, 41, 1359-1368.	1.2	1

#	ARTICLE	IF	CITATIONS
145	Supramolecular Assemblies Based on Copolymers of PEG600 and Functionalized Aromatic Diesters for Drug Delivery Applications. <i>Journal of the American Chemical Society</i> , 2004, 126, 10640-10644.	6.6	114
146	Solvent Specified Conformation in Poly(L-glutamic acid) Thin Films. <i>Biomacromolecules</i> , 2004, 5, 1214-1218.	2.6	11
147	Role of Temperature in Suppression of the Formation of Pummerer's Type Ketone in Enzymatic Polymerization of 4-Propylphenol: An in-Situ Variable Temperature ¹ H NMR Study. <i>Macromolecules</i> , 2004, 37, 2322-2324.	2.2	12
148	Influence of EDA-? interactions in drug encapsulation using nanospheres. <i>Chemical Communications</i> , 2004, , 2689.	2.2	23
149	Electrostatic Assembly of Conjugated Polymer Thin Layers on Electrospun Nanofibrous Membranes for Biosensors. <i>Nano Letters</i> , 2004, 4, 331-334.	4.5	340
150	Flexible, Dye-Sensitized Nanocrystalline Solar Cells Employing Biocatalytically Synthesized Polymeric Electrolytes. <i>Chemistry of Materials</i> , 2004, 16, 4841-4846.	3.2	42
151	An Enzymatically Synthesized Polyaniline: A Solid-State NMR Study. <i>Macromolecules</i> , 2004, 37, 4130-4138.	2.2	53
152	Biocatalytic "green" synthesis of PEG-based aromatic polyesters: optimization of the substrate and reaction conditions. <i>Green Chemistry</i> , 2004, 6, 516-520.	4.6	32
153	Explosive Detection by Fluorescent Electrospun Polymer Membrane Sensor. <i>ACS Symposium Series</i> , 2004, , 388-399.	0.5	2
154	Enzymatically Synthesized Electronic and Photoactive Materials. <i>ACS Symposium Series</i> , 2004, , 377-387.	0.5	0
155	Dye-sensitized Solar Cell Fabricated by Electrostatic Layer-by-Layer Assembly of Amphoteric TiO ₂ Nanoparticles. <i>Langmuir</i> , 2003, 19, 2169-2174.	1.6	111
156	Synthesis of novel poly(ethylene glycol) based amphiphilic polymers. <i>European Polymer Journal</i> , 2003, 39, 1983-1990.	2.6	34
157	Highly efficient diastereoselective biocatalytic acylation of a diastereotopic furanose diol and synthesis of key intermediates for amino derivatized bicyclonucleosides. <i>Tetrahedron</i> , 2003, 59, 1333-1338.	1.0	17
158	Mechanisms of surface-relief gratings formation in layer-by-layer films from azodyes. <i>Polymer</i> , 2003, 44, 6129-6133.	1.8	24
159	Efficient Light Harvesting Polymers for Nanocrystalline TiO ₂ Photovoltaic Cells. <i>Nano Letters</i> , 2003, 3, 523-525.	4.5	145
160	Metal Oxide-Coated Polymer Nanofibers. <i>Nano Letters</i> , 2003, 3, 143-147.	4.5	145
161	Azobenzene-Modified Poly(L-glutamic acid) (AZOPLGA): Its Conformational and Photodynamic Properties. <i>Biomacromolecules</i> , 2003, 4, 366-371.	2.6	22
162	Polybutadiene Modified Polyaniline Microparticles. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2003, 40, 1383-1396.	1.2	6

#	ARTICLE	IF	CITATIONS
163	The Effect of Viscosity and Filler on Electrospun Fiber Morphology. Journal of Macromolecular Science - Pure and Applied Chemistry, 2003, 40, 1415-1422.	1.2	76
164	Nanocomposites from in-Situ Polymerization of Substituted Polyacetylene within Lamellar Surface of the Montmorillonite: A Solid-State NMR Study. Macromolecules, 2003, 36, 2777-2784.	2.2	35
165	Helical Conformational Specificity of Enzymatically Synthesized Water-Soluble Conducting Polyaniline Nanocomposites. Journal of the American Chemical Society, 2003, 125, 11502-11503.	6.6	133
166	Synthesis and Characterization of Fluorescent Cellulose. Journal of Macromolecular Science - Pure and Applied Chemistry, 2003, 40, 1275-1282.	1.2	9
167	Enzymatically Synthesized Conducting Polyaniline Nanocomposites: A Solid-State NMR Study. Journal of Macromolecular Science - Pure and Applied Chemistry, 2003, 40, 1347-1355.	1.2	12
168	Candida antarctica Lipase B Catalyzed Copolymerizations of Non-proteinogenic Amino Acids and Poly(Ethylene Glycol) to Generate Novel Functionalized Polyesters. Journal of Macromolecular Science - Pure and Applied Chemistry, 2003, 40, 1283-1293.	1.2	10
169	Biomimetic Synthesis of Water Soluble Conductive Polypyrrole and Poly(3,4-Ethylenedioxythiophene). Journal of Macromolecular Science - Pure and Applied Chemistry, 2003, 40, 1327-1333.	1.2	20
170	Biocatalytic Synthesis of the Conjugated Bridging Ligand Tetrapyrido[3,2-a:2'-c:3'-c':2''-h:2''-h':3''-j]phenazine (tpphz) and a Dinuclear Ruthenium Complex. Journal of Inorganic Biochemistry, 2003, 42, 5450-5452.	1.2	10
171	Molecular Assembly by Sequential Ionic Adsorption of Nanocrystalline TiO ₂ and a Conjugated Polymer. Journal of Macromolecular Science - Pure and Applied Chemistry, 2003, 40, 1307-1316.	1.2	10
172	A New Approach to Catalyze Template Polymerization of Aniline Using Electrostatically Multilayered Hematin Assemblies. Journal of Macromolecular Science - Pure and Applied Chemistry, 2003, 40, 1335-1346.	1.2	8
173	Peroxidase-Catalyzed Polymerization of 1-Hydroxypyrene. Journal of Macromolecular Science - Pure and Applied Chemistry, 2003, 40, 1407-1414.	1.2	6
174	Effect of Temperature on the Enzymatic Polymerization of 4-Propylphenol: An In Situ ¹ H-NMR Study. Journal of Macromolecular Science - Pure and Applied Chemistry, 2003, 40, 1423-1431.	1.2	3
175	Patterning of substrates using surface relief structures on azobenzene functionalized polymers. , 2003, , .		0
176	ENZYME MEDIATED OXIDATIVE POLYMERIZATION OF 4-HYDROXYBENZYL ALCOHOL FOR OPTICAL APPLICATIONS. Journal of Macromolecular Science - Pure and Applied Chemistry, 2002, 39, 1183-1193.	1.2	5
177	Structural Aspects of Low-Molecular-Weight Azocellulose Polymers: A Solid-State ¹³ C NMR Study. ACS Symposium Series, 2002, , 58-70.	0.5	3
178	In-Situ NMR Spectroscopy to Understand the Mechanism of Enzymatic Polymerization of Engineering Polymeric Materials: Poly(phenols). ACS Symposium Series, 2002, , 258-269.	0.5	1
179	Biomimetic Synthesis of Water Soluble Conductive Polypyrrole and Poly (3,4 ethylenedioxythiophene).. Materials Research Society Symposia Proceedings, 2002, 736, 1.	0.1	0
180	Monitoring the Enzymatic Polymerization of 4-Phenylphenol by Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry: A Novel Approach. Biomacromolecules, 2002, 3, 889-893.	2.6	33

#	ARTICLE	IF	CITATIONS
181	NOVEL ENZYMATIC POLYETHYLENE OXIDE-POLYPHENOL SYSTEM FOR IONIC CONDUCTIVITY. Journal of Macromolecular Science - Pure and Applied Chemistry, 2002, 39, 1061-1068.	1.2	21
182	ELECTROSPINNING TECHNOLOGY: A NOVEL APPROACH TO SENSOR APPLICATION. Journal of Macromolecular Science - Pure and Applied Chemistry, 2002, 39, 1251-1258.	1.2	79
183	Ordered Multilayer Nanocomposites Prepared by Electrostatic Layer-by-Layer Assembly between Aluminosilicate Nanoplatelets and Substituted Ionic Polyacetylenes. Chemistry of Materials, 2002, 14, 3925-3929.	3.2	46
184	CHEMO-ENZYMATIC SYNTHESIS AND CHARACTERIZATION OF NOVEL FUNCTIONALIZED AMPHIPHILIC POLYMERS. Journal of Macromolecular Science - Pure and Applied Chemistry, 2002, 39, 1137-1149.	1.2	32
185	Enzymatic Synthesis of Conducting Polyaniline in Micelle Solutions. Langmuir, 2002, 18, 9696-9704.	1.6	111
186	Biomimetic Synthesis of a Water Soluble Conducting Molecular Complex of Polyaniline and Lignosulfonate. Biomacromolecules, 2002, 3, 937-941.	2.6	103
187	Biocatalytic Polymerization of p-Cresol: An in-Situ NMR Approach To Understand the Coupling Mechanism. Macromolecules, 2002, 35, 9990-9998.	2.2	42
188	VARIATION IN THE STRUCTURE OF CONDUCTING POLYANILINE WITH AND WITHOUT THE PRESENCE OF TEMPLATE DURING ENZYMATIC POLYMERIZATION: A SOLID-STATE NMR STUDY. Journal of Macromolecular Science - Pure and Applied Chemistry, 2002, 39, 1223-1240.	1.2	25
189	ELECTROSPUN PHOTOVOLTAIC CELLS. Journal of Macromolecular Science - Pure and Applied Chemistry, 2002, 39, 1085-1094.	1.2	50
190	Electrospun Nanofibrous Membranes for Highly Sensitive Optical Sensors. Nano Letters, 2002, 2, 1273-1275.	4.5	735
191	Voltage tunable multicolor light emitting diodes based on a dye-doped polythiophene derivative. Synthetic Metals, 2002, 126, 283-288.	2.1	18
192	Surface-Relief Gratings on Azobenzene-Containing Films. , 2002, , 429-l.		19
193	Probing the electronic structure of a conjugated polymer through fifth-order electroabsorption spectroscopy. Optics Communications, 2002, 201, 197-206.	1.0	6
194	Electroabsorption Investigation of the Electronic Structure of a Conjugated Polymer. , 2002, , .		0
195	Enzymatically synthesized electronic and photonic polymers. , 2002, , .		0
196	ENZYMATIC SYNTHESIS OF MOLECULAR COMPLEXES OF POLYANILINE WITH DNA AND SYNTHETIC OLIGONUCLEOTIDES: THERMAL AND MORPHOLOGICAL CHARACTERIZATION. Journal of Macromolecular Science - Pure and Applied Chemistry, 2001, 38, 1519-1537.	1.2	23
197	Manipulating DNA Conformation Using Intertwined Conducting Polymer Chains. Macromolecules, 2001, 34, 3921-3927.	2.2	149
198	Mechanistic Study of the Peroxidase-Catalyzed Polymerization of Sulfonated Phenol. Macromolecules, 2001, 34, 3522-3526.	2.2	34

#	ARTICLE	IF	CITATIONS
199	PEROXIDASE, HEMATIN, AND PEGYLATED-HEMATIN CATALYZED VINYL POLYMERIZATIONS IN WATER. Journal of Macromolecular Science - Pure and Applied Chemistry, 2001, 38, 1219-1230.	1.2	34
200	PHOTOINDUCED SURFACE RELIEF GRATINGS ON AZOCELLULOSE FILMS. Journal of Macromolecular Science - Pure and Applied Chemistry, 2001, 38, 1345-1354.	1.2	22
201	ORGANIC/INORGANIC NANOCOMPOSITES PREPARED BY SPONTANEOUS POLYMERIZATION OF ETHYNYLPYRIDINE WITHIN MONTMORILLONITE. Journal of Macromolecular Science - Pure and Applied Chemistry, 2001, 38, 1405-1415.	1.2	7
202	Nanocomposite Derived from Intercalative Spontaneous Polymerization of 2-Ethynylpyridine within Layered Aluminosilicate: Montmorillonite. Chemistry of Materials, 2001, 13, 2756-2758.	3.2	28
203	Synthesis and Characterization of Novel Azobenzene-Modified Polymers: Azocellulose. Macromolecules, 2001, 34, 9193-9196.	2.2	29
204	INVESTIGATION OF BIREFRINGENCE AND SURFACE RELIEF GRATING FORMATION IN AZOPOLYMER FILMS. Journal of Macromolecular Science - Pure and Applied Chemistry, 2001, 38, 1445-1462.	1.2	11
205	BIOLOGICALLY DERIVED PHOTOACTIVE MACROMOLECULAR AZODYES. Journal of Macromolecular Science - Pure and Applied Chemistry, 2001, 38, 1355-1370.	1.2	22
206	Layered Aluminosilicate/Chromophore Nanocomposites and Their Electrostatic Layer-by-Layer Assembly. Chemistry of Materials, 2001, 13, 243-246.	3.2	46
207	Novel Templated Polyphenol for Ionic Conductivity. Materials Research Society Symposia Proceedings, 2001, 702, 1.	0.1	0
208	Synthesis of Polyaniline Using Electrostatically Layered Hematin Assemblies. Materials Research Society Symposia Proceedings, 2001, 708, 10121.	0.1	0
209	Highly Sensitive Optical Sensors Using Electrospun Polymeric Nanofibrous Membranes. Materials Research Society Symposia Proceedings, 2001, 708, 10441.	0.1	2
210	Effect of Semiconductor and Dye Interfacial Properties in Dye-Sensitized Solar Cells. Materials Research Society Symposia Proceedings, 2001, 710, 1.	0.1	2
211	POLYMERIZATION OF WATER-SOLUBLE CONDUCTIVE POLYPHENOL USING HORSERADISH PEROXIDASE. Journal of Macromolecular Science - Pure and Applied Chemistry, 2001, 38, 1417-1426.	1.2	28
212	ENZYMATICALLY SYNTHESIZED POLYANILINE IN THE PRESENCE OF A TEMPLATE POLY(VINYLPHOSPHONIC) Tj ETQq0 0 0 rgBT /Overlock 2001, 38, 1315-1328.	1.2	15
213	SYNTHESIS AND PROPERTIES OF [60]FULLERENE-POLYVINYLPYRIDINE CONJUGATES FOR PHOTOVOLTAIC DEVICES. Journal of Macromolecular Science - Pure and Applied Chemistry, 2001, 38, 1481-1498.	1.2	8
214	Mechanism of electroluminescence in dye doped thiophene based conjugated polymer. Journal of Applied Physics, 2001, 89, 3250-3255.	1.1	15
215	CHEMOENZYMATIC FUNCTIONALIZATION OF RIBONUCLEIC ACID WITH AZOBENZENE CHROMOPHORES. Journal of Macromolecular Science - Pure and Applied Chemistry, 2001, 38, 1383-1392.	1.2	6
216	ENZYMATIC SYNTHESIS OF POLY(HYDROXYSTILBENE)S. A NEW CLASS OF LUMINESCENT DYE. Journal of Macromolecular Science - Pure and Applied Chemistry, 2001, 38, 1463-1471.	1.2	3

#	ARTICLE	IF	CITATIONS
217	Novel Chemoenzymatic Synthesis of Azobenzene Functionalized Ribonucleic Acid. Materials Research Society Symposia Proceedings, 2000, 660, 1.	0.1	0
218	Preparation of Ultrathin Nanocomposite Films from Exfoliated Aluminosilicate/Coumarin Dye Complexes and Cationic Polyelectrolytes by Layer-by-Layer Deposition. Materials Research Society Symposia Proceedings, 2000, 660, .	0.1	0
219	Enhanced Electroluminescence of Urethane Containing Processable Polythiophene Derivative by Addition of Dye Molecules. Materials Research Society Symposia Proceedings, 2000, 660, .	0.1	0
220	Novel Chemoenzymatic Synthesis of Azobenzene Functionalized Ribonucleic Acid. Materials Research Society Symposia Proceedings, 2000, 660, .	0.1	0
221	Holographic fabrication of polarization selective diffractive optical elements on azopolymer film. Polymers for Advanced Technologies, 2000, 11, 570-574.	1.6	19
222	Enzymatic synthesis of multi-component copolymers and their structural characterization. Molecular Diversity, 2000, 6, 287-295.	2.1	10
223	Preparation of Ultrathin Nanocomposite Films from Exfoliated Aluminosilicate/Coumarin Dye Complexes and Cationic Polyelectrolytes by Layer-by-Layer Deposition. Materials Research Society Symposia Proceedings, 2000, 660, 1.	0.1	0
224	Dispersion of the fifth-order nonlinear optical susceptibility $\chi^{(5)}$ (113333) (1%, 0, 0, 0, 0) of a polydiacetylene film. Journal of the Optical Society of America B: Optical Physics, 2000, 17, 247.	0.9	7
225	Determining the dispersions of the fifth- and seventh-order nonlinear optical susceptibilities of a poly(4-BCMU) film through electroabsorption spectroscopy. Optics Letters, 2000, 25, 1186.	1.7	7
226	Photochemical Behavior and Formation of Surface Relief Grating on Self-Assembled Polyion/Dye Composite Film. Journal of Physical Chemistry B, 2000, 104, 10513-10521.	1.2	72
227	Enzymatic Synthesis of Photoactive Poly(4-phenylazophenol). Chemistry of Materials, 2000, 12, 1577-1584.	3.2	56
228	Surface relief gratings from electrostatically layered azo dye films. Applied Physics Letters, 2000, 76, 3233-3235.	1.5	40
229	Photofabrication of Surface Relief Grating on Films of Azobenzene Polymer with Different Dye Functionalization. Macromolecules, 2000, 33, 4220-4225.	2.2	158
230	An Enzymatically Synthesized Conducting Molecular Complex of Polyaniline and Poly(vinylphosphonic acid). Macromolecules, 2000, 33, 9542-9547.	2.2	117
231	Photoinduced Surface Relief Grating on Amorphous Poly(4-phenylazophenol) Films. Chemistry of Materials, 2000, 12, 1585-1590.	3.2	56
232	Polarization Dependent Holographic Write, Read and Erasure of Surface Relief Gratings on Azopolymer Films. , 2000, , 421-436.		7
233	Enhanced Electroluminescence of Urethane Containing Processable Polythiophene Derivative by Addition of Dye Molecules. Materials Research Society Symposia Proceedings, 2000, 660, 1.	0.1	0
234	Fabrication of multilayer thin films via metal- π macromolecular ligand complexation. Materials Science and Engineering C, 1999, 7, 11-18.	3.8	15

#	ARTICLE	IF	CITATIONS
235	Dispersions of the third-order nonlinear optical susceptibilities $\chi^{(3)}(1111, 0, 0, 0)$ and $\chi^{(3)}(2211, 0, 0, 0)$ of a polydiacetylene film. <i>Optics Communications</i> , 1999, 164, 203-210.	1.0	12
236	Bacteriorhodopsin Thin-Film Assemblies—Immobilization, Properties, and Applications. <i>Advanced Materials</i> , 1999, 11, 435-446.	11.1	95
237	Systematic study on photofabrication of surface relief grating on high-tg azobenzene polymers. <i>Synthetic Metals</i> , 1999, 102, 1435-1436.	2.1	27
238	A Detailed Investigation of the Polarization-Dependent Surface-Relief-Grating Formation Process on Azo Polymer Films. <i>Japanese Journal of Applied Physics</i> , 1999, 38, 5928-5937.	0.8	149
239	Enzymatically Synthesized Conducting Polyaniline. <i>Journal of the American Chemical Society</i> , 1999, 121, 71-78.	6.6	490
240	Photoinduced surface deformations on azobenzene polymer films. <i>Journal of Applied Physics</i> , 1999, 86, 4498-4508.	1.1	250
241	Surface relief structures on azo polymer films. <i>Journal of Materials Chemistry</i> , 1999, 9, 1941-1955.	6.7	712
242	The Role of Template in the Enzymatic Synthesis of Conducting Polyaniline. <i>Journal of the American Chemical Society</i> , 1999, 121, 11345-11355.	6.6	227
243	A simple experiment for determining Verdet constants using alternating current magnetic fields. <i>American Journal of Physics</i> , 1999, 67, 714-717.	0.3	57
244	New Processable, Functionalizable Polydiacetylenes. <i>Macromolecules</i> , 1999, 32, 7361-7369.	2.2	30
245	Electrostatic Self-Assembly of Polydiacetylene Nanocrystals: A Nonlinear Optical Properties and Chain Orientation. <i>Journal of Physical Chemistry B</i> , 1999, 103, 11050-11056.	1.2	38
246	Electrostatic Multilayer Deposition of a Gold-Dendrimer Nanocomposite. <i>Chemistry of Materials</i> , 1999, 11, 3268-3274.	3.2	210
247	Novel Layer-by-layer Complexation Technique and Properties of the Fabricated Films. <i>Chemistry of Materials</i> , 1999, 11, 2250-2256.	3.2	49
248	Biochemical Synthesis and Unusual Conformational Switching of a Molecular Complex of Polyaniline and DNA. <i>Materials Research Society Symposia Proceedings</i> , 1999, 600, 249.	0.1	0
249	Enzymatic Template Synthesis of Polyphenol. <i>Materials Research Society Symposia Proceedings</i> , 1999, 600, 255.	0.1	6
250	Photoinduced surface relief gratings in high-Tg main-chain azoaromatic polymer films. <i>Journal of Polymer Science Part A</i> , 1998, 36, 283-289.	2.5	51
251	Enzyme-catalyzed polymerization of 8-hydroxyquinoline-5-sulfonate by in situ nuclear magnetic resonance spectroscopy. <i>Journal of Applied Polymer Science</i> , 1998, 70, 1257-1264.	1.3	23
252	Enhanced performance of polythiophene derivative based light emitting diodes by addition of europium and ruthenium complexes. <i>Synthetic Metals</i> , 1998, 98, 45-49.	2.1	27

#	ARTICLE	IF	CITATIONS
253	Azo Chromophore-Functionalized Polyelectrolytes. 1. Synthesis, Characterization, and Photoprocessing. <i>Chemistry of Materials</i> , 1998, 10, 1546-1553.	3.2	67
254	Biologically Derived Conducting and Water Soluble Polyaniline. <i>Macromolecules</i> , 1998, 31, 4376-4378.	2.2	170
255	Azo Chromophore-Functionalized Polyelectrolytes. 2. Acentric Self-Assembly through a Layer-by-Layer Deposition Process. <i>Chemistry of Materials</i> , 1998, 10, 1554-1560.	3.2	68
256	Heteroaromatic Chromophore Functionalized Epoxy-Based Nonlinear Optical Polymers. <i>Macromolecules</i> , 1998, 31, 4126-4134.	2.2	46
257	Polyelectrolyte-Containing Fullerene I: Synthesis and Characterization of the Copolymers of 4-Vinylbenzoic Acid with C60. <i>Chemistry of Materials</i> , 1998, 10, 2058-2066.	3.2	29
258	Photoelectric Properties of Oriented Bacteriorhodopsin/Polycation Multilayers by Electrostatic Layer-by-Layer Assembly. <i>Journal of Physical Chemistry B</i> , 1998, 102, 7067-7072.	1.2	56
259	Oriented Bacteriorhodopsin/Polycation Multilayers by Electrostatic Layer-by-Layer Assembly. <i>Langmuir</i> , 1998, 14, 1674-1679.	1.6	143
260	Enzymatically Synthesized Photodynamic Polyaniline Containing Azobenzene Groups. <i>Chemistry of Materials</i> , 1998, 10, 1270-1275.	3.2	32
261	Gradient force: The mechanism for surface relief grating formation in azobenzene functionalized polymers. <i>Applied Physics Letters</i> , 1998, 72, 2096-2098.	1.5	464
262	Surface-Initiated Mechanism for the Formation of Relief Gratings on Azo-Polymer Films. <i>Journal of Physical Chemistry B</i> , 1998, 102, 6064-6070.	1.2	90
263	Electroabsorption spectroscopy study of an azopolymer film fabricated by electrostatic adsorption. <i>Applied Physics Letters</i> , 1998, 73, 3345-3347.	1.5	17
264	Self Assembly of Organic Microcrystals 1: Electrostatic Attachment of Polydiacetylene Microcrystals on a Polyelectrolyte Surface. <i>Japanese Journal of Applied Physics</i> , 1998, 37, L343-L345.	0.8	24
265	<title>Bioreceptor-conducting polymer multilayer assemblies for biosensing</title>. , 1998, , .		0
266	<title>Biochemical synthesis of electroactive polymers</title>. , 1998, , .		0
267	<title>Photofabrication of surface relief gratings on azobenzene polymer films</title>. , 1997, 2998, 195.		4
268	<title>Biochemically designed polymers as self-organized materials</title>. , 1997, 3040, 200.		0
269	Photo-fabrication of surface relief gratings on polymer films. <i>Macromolecular Symposia</i> , 1997, 116, 127-134.	0.4	11
270	Fabrication of Polymer Light Emitting Diodes by Layer-by-Layer Complexation Technique. <i>Materials Research Society Symposia Proceedings</i> , 1997, 488, 527.	0.1	6

#	ARTICLE	IF	CITATIONS
271	Photofabrication of Surface Relief Gratings using Post Functionalized Azo Polymers. Materials Research Society Symposia Proceedings, 1997, 488, 141.	0.1	1
272	Characterizing the NLO Chromophore Orientation of Polymeric Film by Electroabsorption Spectroscopy. Materials Research Society Symposia Proceedings, 1997, 488, 801.	0.1	1
273	Enzymatic Synthesis and Characterization of a Novel Water-Soluble Polyaniline: Poly(2,5-diaminobenzenesulfonate). Macromolecules, 1997, 30, 4024-4029.	2.2	143
274	Epoxy-Based Nonlinear Optical Polymers Functionalized with Tricyanovinyl Chromophores. Chemistry of Materials, 1997, 9, 45-50.	3.2	84
275	Comments on the Analysis of Copolymers of C60 with Vinyl Monomers Obtained by Free Radical Polymerization. Macromolecules, 1997, 30, 7351-7354.	2.2	19
276	Dispersions of electroabsorption susceptibilities: application to a polymeric Langmuir-Blodgett film. Optics Communications, 1997, 144, 259-264.	1.0	12
277	Epoxy-Based Nonlinear Optical Polymers from Post Azo Coupling Reaction. Macromolecules, 1997, 30, 219-225.	2.2	172
278	Dispersion of $\chi^{(3)}$ in polydiacetylene films from electroabsorption spectroscopy. Optics Communications, 1997, 144, 252-258.	1.0	15
279	Synthesis and optical properties of polyureas with azoaromatic groups in the main chain. Macromolecular Chemistry and Physics, 1997, 198, 2279-2289.	1.1	49
280	Mechanistic study of enzyme catalyzed polymerization of 8-hydroxyquinoline-5-sulfonate using nuclear magnetic resonance spectroscopy. Macromolecular Rapid Communications, 1997, 18, 133-137.	2.0	24
281	Self-assembled second order nonlinear optical multilayer azo polymer. Macromolecular Rapid Communications, 1997, 18, 451-459.	2.0	110
282	Oriented Z-Type Langmuir-Blodgett Films from a Soluble Asymmetrically Substituted Polydiacetylene. Macromolecules, 1996, 29, 1416-1421.	2.2	17
283	Trace Analysis of Zn(II), Be(II), and Bi(III) by Enzyme-Catalyzed Chemiluminescence. Analytical Chemistry, 1996, 68, 216-220.	3.2	22
284	A Biotinylated Undecylthiophene Copolymer Bioconjugate for Surface Immobilization: Creating an Alkaline Phosphatase Chemiluminescence-Based Biosensor. Bioconjugate Chemistry, 1996, 7, 159-164.	1.8	25
285	Water soluble, conjugated main chain azo polymer: Synthesis and characterization. Macromolecular Rapid Communications, 1996, 17, 853-857.	2.0	6
286	Biochemical synthesis of water soluble polyanilines: Poly(p-aminobenzoic acid). Macromolecular Rapid Communications, 1996, 17, 859-863.	2.0	42
287	<title>Integrating biotinylated polyalkylthiophene thin films with biological macromolecules: biosensing organophosphorus pesticides and metal ions with surface immobilized alkaline phosphatase utilizing chemiluminescence measurements</title>. , 1995, , .		1
288	Epoxy Based Non-Linear Optical Polymers Functionalized With Chromophores Containing Tricyanovinyl Group. Materials Research Society Symposia Proceedings, 1995, 413, 275.	0.1	1

#	ARTICLE	IF	CITATIONS
289	Multilayer Enzyme Assembly for the Development of a Novel Fiber Optic Biosensor. Materials Research Society Symposia Proceedings, 1995, 414, 125.	0.1	0
290	Chemiluminescence-based inhibition kinetics of alkaline phosphatase in the development of a pesticide biosensor.. Biotechnology Progress, 1995, 11, 699-703.	1.3	21
291	Molecular assembly of proteins and conjugated polymers: Toward development of biosensors. Biotechnology and Bioengineering, 1995, 45, 116-121.	1.7	50
292	Biosensors for pesticide detection based on alkaline phosphatase-catalyzed chemiluminescence. Materials Science and Engineering C, 1995, 2, 191-196.	3.8	26
293	A chemiluminescence-based biosensor for metal ion detection. Materials Science and Engineering C, 1995, 3, 79-83.	3.8	20
294	Enzymic Mediated Synthesis of Conjugated Polymers at the Langmuir Trough Air-Water Interface. Langmuir, 1995, 11, 889-892.	1.6	68
295	Intelligent Systems Based on Ordered Arrays of Biological Molecules Using the LB Technique. Journal of Intelligent Material Systems and Structures, 1994, 5, 305-310.	1.4	9
296	<title>Molecular self assembly on optical fiber-based fluorescence sensor</title> . , 1994, , .		3
297	Polyimide/Norganic Composite - Interpenetrating Polymer Network For Stable Second-Order Nonlinear Optics. Materials Research Society Symposia Proceedings, 1993, 328, 541.	0.1	1
298	Biotinylated Thiophene Copolymer â€” A Novel Biomaterial for LB Film Assembly. Materials Research Society Symposia Proceedings, 1993, 330, 185.	0.1	2
299	Interfacing Conducting Polymers and Biological Macromolecules: A Case Study of Insecticide Biosensor Development. Materials Research Society Symposia Proceedings, 1993, 330, 309.	0.1	2
300	Uv-Curable Epoxy Based Second Order Nonlinear Optical Material. Materials Research Society Symposia Proceedings, 1992, 247, 111.	0.1	3
301	The monomolecular organization of a photodynamic protein system through specific surface recognition of streptavidin by biotinylated Langmuir-Blodgett films. Langmuir, 1992, 8, 604-608.	1.6	18
302	Crossâ€”linked stable secondâ€”order nonlinear optical polymer by photochemical reaction. Applied Physics Letters, 1991, 58, 2459-2460.	1.5	113
303	Thin film processing of NLO materialsâ€”I. Studies on relaxation behaviour of corona poled aromatic dipolar molecules in a polymer matrix. European Polymer Journal, 1991, 27, 735-741.	2.6	17
304	Novel photo-crosslinked nonlinear optical polymers. Die Makromolekulare Chemie Rapid Communications, 1991, 12, 63-68.	1.1	78
305	New photocrosslinkable polymers for second-order nonlinear optical processes. Die Makromolekulare Chemie Rapid Communications, 1991, 12, 607-612.	1.1	59
306	Photoconducting nonlinear optical polymers. , 1991, , .		2

#	ARTICLE	IF	CITATIONS
307	Oriented fluorescent streptavidin conjugated phycoerythrin protein on biotinylated lipid LB monolayer films. , 1991, , 160-164.		3
308	Molecular Design of Stable Second Order Nonlinear Optical Polymers. Materials Research Society Symposia Proceedings, 1990, 214, 61.	0.1	2
309	Opto-optical switching in the infrared using CdTe. Optics Letters, 1989, 14, 224.	1.7	22
310	Infrared power limiting and self-switching in CdTe. Applied Physics Letters, 1988, 53, 840-841.	1.5	22
311	Enhanced two-beam mixing gain in photorefractive GaAs using alternating electric fields. Optics Letters, 1987, 12, 120.	1.7	50
312	Photorefractive two-beam coupling with applied radio-frequency fields: theory and experiment. Journal of the Optical Society of America B: Optical Physics, 1987, 4, 1079.	0.9	26
313	Measurement of two-wave mixing gain in GaAs with a moving grating. Optics Communications, 1987, 63, 191-193.	1.0	31
314	Investigation of the photorefractive behavior of chrome-doped GaAs by using two-beam coupling. Optics Letters, 1986, 11, 650.	1.7	47
315	Ordered Polymer Nanocomposites: Barrier Properties. , 0, , 3467-3477.		0